TECHNOMETRICS

INDEX TO CONTENTS, Volume 14, 1972

AL-BAYYATI, H. A., and ARNOLD, J. C., On Double-Stage Estimation in Simple Linear Regression Using Prior Knowledge 405
ANTLE, CHARLES E. (See BILLMANN, BARRY R.) 831
ARNOLD, J. C. (See AL-BAYYATI, H. A.) 405
BAIN, LEE J., Inferences Based on Censored Sampling from the Weibull or Extreme-Value Distribution 693
BAIN, LEE J. (See BILLMANN, BARRY R.) 831
BARHAM, RICHARD H., and DRANE, WANZER, An Algorithm for Least Squares Estimation of Nonlinear Parameters When Some of the Parameters are Linear 757
BARNETT, V. D., A Bayesian Sequential Life Test 453
BECHHOFER, ROBERT, and NOCTURNE, D. JEAN-MARIE, Optimal Allocation of Observations When Comparing Several Treatments with a Control, II: 2-sided Comparisons 423
BECK, GLENN (See GRUBBS, FRANK E.) 847
BEHBOODIAN, JAVAD, On the Distribution of a Symmetric Statistic from a Mixed Population 919
BEHNKEN, D. (See DRAPER, NORMAN R.) 101
BERGER, PAUL D., On Yates' Order in Fractional Factorial Designs (Note) 971
BILLMANN, BARRY R., ANTLE, CHARLES E., and BAIN, LEE J., Statistical Inference from Censored Weibull Samples 831
BLIGHT, B. J. N., On the Most Economical Choice of a Life Testing Procedure for Exponentially Distributed Data 613
BOWER, DAVID R., (See SWINDEL, BENEE F.) 215
BOWMAN, K. O. (See SHENTON, L. R.) 725
BRADLEY, EDWIN L., and SAW, J. G., Choosing the Optimum Lot Size for a Reordering Policy with Instantaneous Emergency Deliveries 931
BROWN, G. H., and FISHER, N. I., Subsampling a Mixture of Sampled Material 663
CHANDLER, J. P., On an Iterative Procedure for Estimating Functions when Both Variables are Subject to Error 71
CHOW, BRYANT, (See MAYNARD, JAMES M.) 77
CHOW, BRYANT (See TROUT, RICHARD) 855
CLEVELAND, WILLIAM S., The Inverse Autocorrelations of a Time Series and their Applications-Invited Paper No. 2 277
COHEN, A. CLIFFORD, Estimation in a Poisson Process Based on Combinations of Complete and Truncated Samples 841
DAHIYA, RAM C., and GURLAND, JOHN, Goodness of Fit Tests for the Gamma and Exponential Distributions (Note) 791
DAVENPORT, JAMES M. and WEBSTER, J. T., Type-I Error and Power of a Test Involving a Satterthwaite's Approximate F-Statistic 555
DRANE, WANZER (See BARHAM, RICHARD H.) 757
DRAPER, NORMAN R., and BEHNKEN, D., Residuals and Their Variance Patterns 101

EHRENFELD, SYLVAIN, On Group Sequential Sampling 167
EVANS, DAVID H., An Application of Numerical Integration Techniques to Statistical Tolerancing, III-General Distributions 23
FRECHO, W. W., and RINGER, LARRY J., Small Sample Power of Some Tests of Constant Failure Rate 713
FISHER, N. I. (See Brown, G. H.) 663
FORSYTHE, ALAN B., Robust Estimation of Straight Line Regression Coefficients 159
GRAFF, LOIS E. (See ROELOFFS, ROBERT) 113
GRIFFEATH, DAVID, Computer Solution of the Discrete Maximum Entropy Problem 891
GROSH, DORIS LLOYD, A Bayes Sampling Allocation Scheme for Stratified Finite Populations with Hyperbinomial Prior Distributions 599
GRUBBS, FRANK E., and BECK, GLENN, Extension of Sample Sizes and Percentage Points for Significance Tests of Outlying Observations 847
GUENTHER, WILLIAM C., A Simple Approximation to the Negative Binomial (and Regular Binomial) 385
GURLAND, JOHN (See DAHIYA, RAM C.) 791
HAHN, GERALD J., Simultaneous Prediction Intervals for a Regression Model 203
HAHN, GERALD J. (See NELSON, WAYNE) 247
HAMDAN, M. A., Estimation in the Truncated Bivariate Poisson Distribution 37
HAMDAN, M. A., On a Characterization by Conditional Expectations (Note) 497
HASSANEIN, K. M., Simultaneous Estimation of the Parameters of the Extreme Value Distribution by Sample Quantiles 63
HAWKINS, RICHARD H., A Note on Multiple Solutions to the Mixed Distribution Problem (Note) 973
HEBBLE, T. L., and MITCHELL, T. J., "Repairing" Response Surface Designs Note) 767
HOCKING, RONALD R., and SMITH, W. B., Optimum Incomplete Multinormal Samples 299
HOCKING, RONALD R., Criteria for Selection of a Subset Regression: which One Should be Used (Note) 967
HUXHAM, S. H., and MCGILCHRIST, C. A., A Note on Some Simple Time Series Estimates (Note) 223
JAYNE, LANCE W., and ROSS, EDWARD W., JR., Probability of Equipment Failure when Tolerances are Incorrect 899
JOSHI, P. C., Efficient Estimation of the Mean of an Exponential Distribution when an Outlier is Present 137
KAMINSKY, KENNETH S., Confidence Intervals for the Exponential Scale Parameter using Optimally Selected Order Statistics 371
KAO, EDWARD P. C., Economic Screening of a Continuously Manufactured Product 653
KAPPENMAN, RUSSELL F., A Note on Selection of the Greatest Exceedance Probability (Note) 219
KOWALSKI, CHARLES J. (See TARTER, MICHAEL E.) 735
LAND, CHARLES E., An Evaluation of Approximate Confidence Interval Estimation Methods for Lognormal Means 145
LARSEN, WAYNE and MCCLEARY, SUSAN, The Use of Partial Residual Plots in Regression Analysis (Note) 781
LAWTON, W. H., SYLVESTRE, E. A. and MAGGIO, M. S., Self Modeling Nonlinear Regression 513

MAGGIO, M. S. (See LAWTON, W. H.)..... 513
MANN, NANCY R., Design of Over-stress Life-test Experiments when Failure Times have the Two-Parameter Weibull Distributions..... 437
MAYNARD, JAMES M., and CHOW, BRYANT, An Approximate Pitman-Type 'Close' Estimator for the Negative Binomial Parameter P..... 77
MCCLEARY, SUSAN (See LARSEN, WAYNE)..... 781
MCGILCHRIST, C. A., (See HUXHAM, S. H.)..... 223
MCLACHLAN, G. J., Asymptotic Results for Discriminant Analysis when the Initial Samples are Misclassified..... 415
MENDENHALL, W., (See OTT, LYMAN)..... 341
MILTON, ROY C., Computer Evaluation of the Multivariate Normal Integral 881
MITCHELL, T. J. (See HEBBLE, T. L.)..... 767
MOORE, ROGER H. (See TIETJEN, GARY L.)..... 583
MORGAN, J. A., and TATAR, J. F., Calculation of the Residual Sum of Squares for all Possible Regressions..... 317
NELSON, WAYNE, A Short Life Test for Comparing a Sample with Previous Accelerated Test Results..... 175
NELSON, WAYNE, and HAHN, GERALD, Linear Estimation of a Regression Relationship from Censored Data Part I-Simple Methods and their Application-Invited Paper No. 1..... 247
NELSON, WAYNE, Theory and Applications of Hazard Plotting for Censored Failure Data..... 945
NOCTURNE, D. JEAN-MARIE (See BECHHOFER, ROBERT)..... 423
OTT, LYMAN, and MENDENHALL, W., Designs for Estimating the Slope of a Second Order Linear Model..... 341
OWEN, D. B. (See RAO, J. N. K.)..... 571
PAPE, ELINOR S., A Combination of F-Statistics..... 89
PARZEN, EMANUEL, Discussion of Invited Paper No. 2..... 295
PHATAK, A. G. (See SHAH, D. K.)..... 925
POPE, P. T., and WEBSTER, J. T., The Use of an F-Statistic in Stepwise Regression..... 327
RAO, J. N. K., SUBRAHMANIAM, K. and OWEN, D. B., Effect of Non-normality on Tolerance Limits which Control Percentages in both Tails of Normal Distribution..... 571
RAYMENT, P. R., The Identification Problem for a Mixture of Observations from Two Normal Populations..... 911
RINGER, LARRY J. (See FERCHO, W. W.)..... 713
ROELOFFS, ROBERT, and GRAFF, LOIS E., Group Testing in the Presence of Test Error; An Extension of the Dorfman Procedure..... 113
ROSS, EDWARD W., JR. (See JAYNE, LANCE W.)..... 899
SACKROWITZ, HAROLD, Alternative Multi-Level Continuous Sampling Plans 645
SANATHANAN, LALITHA, Models and Estimation Methods in Visual Scanning Experiments..... 813
SAW, J. G. (See BRADLEY, EDWIN L.)..... 931
SCHAFER, RAY E., and TAKENAGA, ROY, A Sequential Probability Ratio Test for Availability..... 123
SCHEAFFER, R. L., Sized-Biased Sampling..... 635
SCLOVE, S. L., (Y vs. X) or (Log Y vs. X)?..... 391
SHAH, D. K., and PHATAK, A. G., A Simplified Form of the ASN for a Curtailed Sampling Plan..... 925

SHAPIRO, S. S., and WILK, M. B., An Analysis of Variance Test for the Exponential Distribution (Complete Samples)..... 355
SHENTON, L. R., and BOWMAN, K. O., Further Remarks on Maximum Likelihood Estimators for the Gamma Distribution..... 725
SHUKLA, G. K., On the Problem of Calibration..... 547
SINGPURWALLA, N. D., Extreme Values from a Lognormal Law with Applications to Air Polution Problems..... 703
SMITH, W. B. (See HOCKING, R. R.)..... 299
SNEE, R. D., On the Analysis of Response Curve Data..... 47
SORUM, MARILYN, Three Probabilities of Misclassification..... 309
SORUM, MARILYN, Estimating the Expected and the Optimal Probabilities of Misclassification..... 935
STEFANSKY, WILHELMINE, Rejecting Outliers in Factorial Designs..... 469
STEWART, KIRKLAND B., Situations in Which the Arithmetic and Geometric Moving Averages are Inefficient Estimators..... 619
SUBRAHMANIAM, K. (See RAO, J. N. K.)..... 571
SWINDEL, BENEE F., and BOWER, DAVID R., Rounding Errors in the Independent Variables in a General Linear Model (Note)..... 215
SYLVESTRE, E. A. (See LAWTON, W. H.)..... 513
TAKAGI, KINJI, On Designing Unknown-Sigma Sampling Plans Based on a Wise Class of Non-Normal Distributions..... 669
TAKENAGA, ROY (See SCHAFER, RAY E.)..... 123
TARTER, MICHAEL E., and KOWALSKI, CHARLES J., A New Test for and Class of Transformations to Normality..... 735
TATAR, J. F. (See MORGAN, J. A.)..... 317
TEE, L. H. (See WU, S. M.)..... 481
TENENBEIN, AARON, A Double Sampling Scheme for Estimating from Misclassified Multinomial Data with Application to Sampling Inspection.. 187
THOMAS, DAVID R., and WILSON, WANDA M., Linear Order Statistic Estimation for the Two-Parameter Weibull and Extreme-Value Distributions from Type II Progressively Censored Samples..... 679
TIETJEN, GARY L., and MOORE, ROGER H., An Extension of Some Grubbs-type Statistics for the Detection of Several Outliers..... 583
TROUT, RICHARD, and CHOW, BRYANT, Table of the Percentage Points of the Trivariate t-distribution with an Application to Uniform Confidence Bands..... 855
URY, HANS K., On Distribution-free Confidence Bounds for Pr $(Y < X)$..... 577
WEBSTER, J. T. (See Pope, P. T.)..... 327
WEBSTER, J. T. (See DAVENPORT, JAMES M.)..... 555
WEGMAN, EDWARD J., Nonparametric Probability Density Estimation: I. A Summary of Available Methods..... 533
WICHERN, DEAN W., The Effect of Estimation Error on a Geometric Moving Average..... 745
WILK, M. B. (See SHAPIRO, S. S.)..... 355
WILSON, WANDA, M. (See THOMAS, DAVID R.)..... 679
WU, S. M., and TEE, L. H., An Application of Stochastic and Dynamic Models for the Control of a Papermaking Process..... 481
YOUDEN, W. J., Enduring Values..... 1
YOUDEN, W. J., Randomization and Experimentation..... 13
ZELEN, MARVIN, Discussion of Invited Paper No. 1..... 271